

C = apt

feat = age

$$W = \frac{12 + 10 + 14 + 14 + 14 + 14 + 14}{7-1} = 38.714$$

$$S = \frac{\sqrt{(12-W)^2 + (10-W)^2 + (14-W)^2 + (14-W)^2 + (14-W)^2 + (14-W)^2 + (14-W)^2}}{7-1} = 14.682$$

C = condo

feat = age

$$W = \frac{10 + 8 + 11 + 14 + 12 + 17}{6-1} = 24.682$$

$$S = \frac{\sqrt{(10-W)^2 + (8-W)^2 + (11-W)^2 + (14-W)^2 + (12-W)^2 + (17-W)^2}}{6-1} = 13.952$$

C = house

feat = age

$$W = \frac{62 + 34 + 34 + 30 + 20 + 32 + 22}{7-1} = 31.285$$

$$S = \frac{\sqrt{(62-W)^2 + (34-W)^2 + (34-W)^2 + (30-W)^2 + (20-W)^2 + (32-W)^2 + (22-W)^2}}{7-1} = 12.724$$

cat = apt

feat = # bedrooms

$$\mu = \frac{2 + 3 + 3 + 4 + 4 + 5}{7} = 3.428$$

$$\sigma = \sqrt{\frac{(2-\mu)^2 + 3 \cdot (3-\mu)^2 + 2 \cdot (4-\mu)^2 + (5-\mu)^2}{6}} = .975$$

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cat = condo

$$\mu = \frac{3 \cdot 5 + 5}{6} = 3.33$$

$$\sigma = \sqrt{\frac{5 \cdot (3-\mu)^2 + (5-\mu)^2}{5}} = .81649$$

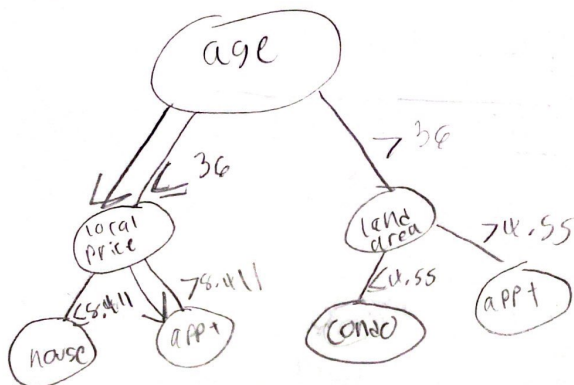
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cat = house

$$\mu = \frac{2 + 3 \cdot 5 + 4}{7} = 3$$

$$\sigma = \sqrt{\frac{(2-\mu)^2 + 3 \cdot (3-\mu)^2 + (4-\mu)^2}{6}} = .5773$$

2.4



Predict : a Partment